MediaPack™ 1288

High Density Analog VoIP Gateway

The AudioCodes **MediaPack 1288** is a best-of-breed high-density analog media gateway. It offers a cost-effective solution for organizations transitioning to all-IP that need to integrate large numbers of analog devices (such as legacy phones, fax machines and modems) into their new infrastructure. The MediaPack 1288 enables these organizations to protect the investment made in their analog devices and cabling while enjoying the functional and cost benefit of the move to an all-IP infrastructure.

Fully interoperable with leading softswitches, unified communications (UC) servers and SIP proxies, the MediaPack 1288 is ideal for service providers, hosted UC operators, the hospitality sector and large enterprise campuses.

The MediaPack 1288 is Microsoft compatible SIP Gateway enables Teams calling functionality.

288 FXS Ports | 3U Chassis | Dual Power Supplies | Comprehensive Interoperability

High resiliency
Call survivability for all analog FXS extensions and for additional external IP phones

Advanced line capabilities
Short and long haul up to 7.5 km, integrated surge protection for FXS

Emergency phone support
Support for emergency/elevator phones that require higher loop current and increased ring voltage

SBC functionality
Integrated SBC capabilities for survivability and connection to SIP trunks

Enhanced security
SRTP on all channels without capacity hit

Fax support
Extensive fax support including T.38 version 3

Specifications

MediaPack™ 1288

System Capacity				
Telephony Capacity	288 FXS ports. Four available capacity options: 288, 216, 144 and 72 ports			
SBC Capacity	300 SBC sessions, 350 registered users			
Hardware Elements				
CPU Module	Providing the central processing unit with two 100/1000Base-T (Gigabit) Ethernet ports (RJ-45) and 1+1 Ethernet port redundancy			
FXS Blades	4 FXS blades, each blade supports 72 FXS ports FXS connection via three 50-pin CHAMP connectors per FXS blade Lifeline support - automatic switching to PSTN via 3 dedicated lifeline interfaces per FXS blade			
Network Protocols				
IP Transport	IPv4, IPv6 for media and control, RTP/RTCP per IETF RFC 3550, RTCP-XR			
Control	SIP (RFC 3261) over UDP, TCP and TLS (1.2)			
Media	RTP (RFC 3550), SRTP (RFC 3711), RTCP (RFC 3550), RTCP-XR (RFC 3611)			
Voice Capabilities				
Voice Over Packet	G.168-2004 compliant echo cancellation, packet loss concealment, dynamic programmable jitter buffer, silence suppression/comfort noise generation, RTP redundancy, broken connection detection			
Voice Compression	G.711, G.723.1, G.726 ADPCM, G.729A/B, G.722, AMR-NB, Opus-NB			
Fax-Over-IP	Bypass, T.38 and T.38v3			
3-Way Conference	Up to 24 three-way conferences with local mixing across all FXS blades			
Signaling				
Message Manipulation	Ability to add/modify/delete SIP headers and message body using advanced regular expressions (regex)			
Routing Methods	Request URL, IP address, FQDN, ENUM, advanced LDAP, third-party routing control through REST API			
Routing Features	Least-cost routing, call forking, load balancing, emergency call detection and prioritization			
Management				
OAM&P	Web GUI, SSH/Telnet, SNMP v2/v3, INI file, REST API AudioCodes' One Voice Operation Center			
Power				
AC Power Specifications	100-240V~, Input Frequency 50/60 Hz, Max. Input Current 10 A			
DC Power Specifications	40-60 VDC, 32A max			
Redundant Power Supply	Dual feed, redundant power supply modules			
Max. Power Consumption	**FXS Interfaces**	**Short Haul (W)**	**Long Haul (W)**	
	288	450	950	
	216	400	770	
	144	350	600	
Physical				
Width	17.24 inches (438 mm)	**Height**	5.16 inches (131.2 mm)	
Depth	17.75 inches (451 mm)	**Weight**	21 Kg (fully populated system)	
Mounting	3U, 19-inch rack			
Environment				
Temperature	Operational Temp.: 0 to 40°C (41 to 104°F)	Storage Temp.: -40 to 70°C (-40 to 158°F)	Humidity: 5 to 90% non-condensing	
Cooling	Front-to-rear air flow			
FXS Port Specifications				
FXS Signaling Formats	In-band signaling DTMF (TIA 464B), out-of-band pulse signaling			
FXS Loop Impedance	Up to 1500 ohm (including phone impedance)			
Off-hook Loop Current	25 mA max. on all ports (35 mA max. on two ports per FXS blade for emergency/elevator phones)			
Ring Voltage	- 54Vrms Sinewave balanced ringing of up to 288 phones simultaneously - 85Vrms/20Hz – Trapezoid waveform ringing of up to 6 phones per each 12 ports segment Notes: Balanced ringing only, enables simultaneous ringing of 288 phones (72 per FXS blade given REN3 load)			
Ring Frequency	25-100 Hz			
Maximum Ringer Load	Ringer Equivalency Number (REN) 3			
Caller ID	Bellcore GR-30-CORE Type 1 using Bell 202 FSK modulation, ETSI Type 1, NTT, Denmark, India, Brazil, United Kingdom and DTMF ETSI CID (ETS 300-659-1)			
Distinctive Ringing	By frequency (15-100 Hz) and cadence patterns			
Message Waiting Indication (MWI)	High and low DC voltage generation (TIA/EIA-464-B), V23 FSK data, stutter dial tone			

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